

#### 4-6.1 COMPUTER MET MESSAGE

The MBC, M23 does not use the same ballistic MET that FDC personnel use when plotting manually with the M16 plotting board. Instead, the computerized MET is used. Artillery also uses the computerized MET. When no MET is available the MBC uses the standard MET that is stored within the MBC, M23. The MET menu has two main options: new and current. When a new MET message is received, it is entered into the computer using the new option in the MET menu. Only after the update \* option is selected does the new MET become the current MET and is applied to the firing data.

METEOROLOGICAL: NEW  
QUADRANT: 0  
LATITUDE: 322  
LONGITUDE: 845  
DATE: DAY: 02  
TIME: 100  
DURATION: 0  
STATION HEIGHT: 014  
ATMOSPHERIC PRESSURE: 003

|    |     |     |      |      |
|----|-----|-----|------|------|
| 00 | 231 | 002 | 2957 | 1003 |
| 01 | 200 | 008 | 2937 | 0902 |
| 02 | 230 | 013 | 3013 | 0064 |
| 03 | 185 | 009 | 2980 | 0921 |
| 04 | 000 | 000 | 2940 | 0868 |
| 05 | 074 | 013 | 2935 | 0820 |
| 06 | 057 | 023 | 2931 | 0074 |
| 07 | 067 | 027 | 2897 | 0730 |
| 08 | 070 | 029 | 2861 | 0688 |

**NOTE:** Refer to Figure 4-16B.

a. Press the MET switch. "MET: NEW CURRENT" is displayed. Using multiple choice entry select: NEW.

(1) Press SEQ switch. Using numeric entry, enter the quadrant. Enter 0.

(2) Press SEQ switch. Using numeric entry, enter the latitude and longitude. Enter 322 and 845.

(3) Press SEQ switch. Using numeric entry, enter the day of the month and time of the MET message (CMT). Enter 02 and 100.

(4) Press SEQ switch. Using numeric entry, enter the duration, station altitude and atmospheric pressure. Enter 0, 014, and 003.

(5) Press SEQ switch. Using numeric entry, enter for line 00 wind direction and speed. Enter 231 and 002.

(6) Press SEQ switch. Using numeric entry, enter line 00 temperature and air pressure. Enter 2957 and 1003.

- b. Using the procedures above, repeat steps (5) and (6) to line 8.
- c. Press SEQ switch. After line 8; UPDATE MET \* is displayed. Using the multiple choice entry, select the flashing asterisk (\*) to update the NEW MET stored in the MBC, placing the NEW MET in the CURRENT MET file, while retaining a copy in the NEW file. Sequence to ready.

**NOTE:** The MBC, M23 calculates the effect of each line of the MET on the round when determining firing data. Changes to the MET files can only be made to the new MET file, then updated to the current file.

(1) To check MET, enter MET switch and select current (CURR) and review the MET message.

(2) If a change is needed, enter NEW and make the needed corrections, then select UPDATE MET \*.